

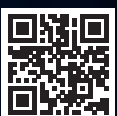
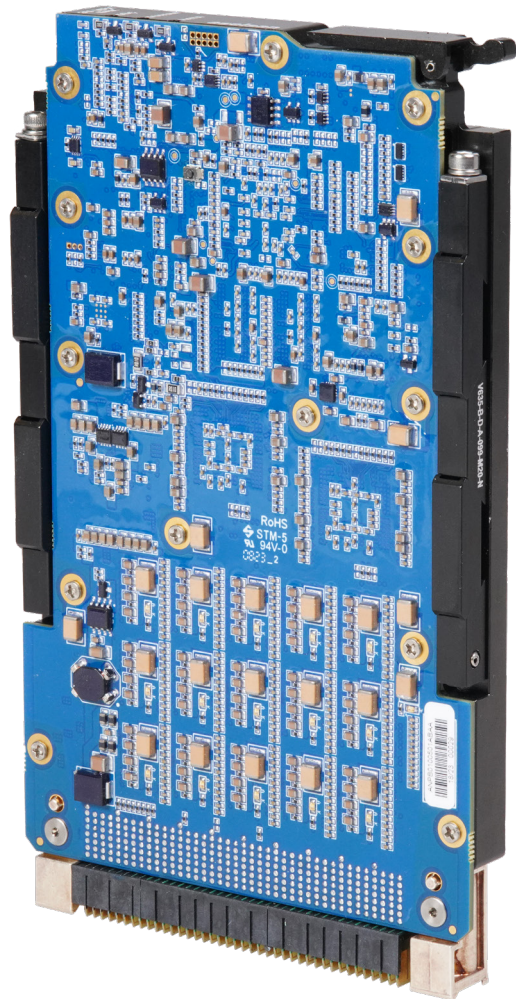


# ASEL SWITCH | VPX

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3U VPX

#InformationTechnologies



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## 3U VPX

aseISWITCH VPX offers a high performance and reliable network solution designed meet infrastructure needs at military standards.

### Physical Properties

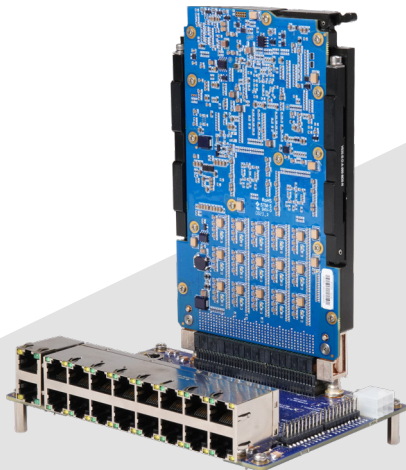
- 3U OpenVPX form factor structure
- VITA 46, VITA 48 and VITA 65 compatibility
- MOD3-SWH-16T profile support
- Max. operating altitude; 3500m
- Operating temperature; -40°C +71°C (MIL-STD-810-G method 502.5 method 501.5)
- Storage temperature; -55°C +85°C (MIL-STD-810-G method 502.5 method 501.5)
- Humidity; %0-%100 humidity (MIL-STD-810-G method 507.5)
- Vibration; (sinusoidal and random vibrations with a peak value of 10G and a frequency of 5 Hz-2000 Hz (0.005 @ 5 Hz, 0.1 @ 15 Hz and 0.1 @ 2000 Hz))
- Shock resistance; (against a total of 36 impacts in the form of sine and terminal peak sawtooth in both directions with a peak value of 40G)
- Fanless cooling

### Power Specifications

- VPX compatible 5V supply
- 15-20W power consumption
- High current protection
- High/low voltage protection
- Thermal protection
- IEEE 802.3az (energy-efficient ethernet)

### Performance Specifications

- Wirespeed
- Non-blocking
- 16 piece 10/100/1000Base-T ETHERNET port and 1 piece 10/100Base-Tx ETHERNET port
- 115.2 KBit/s RS232 console and serial management interface
- Processor unit interface
- OpenVPX MOD3-SWH-16T-16.4.7-1 module profile compatibility



### Software Features

- AUTO MDI/MDIX
- IEEE 802.3x (half duplex and full duplex flow control)
- IEEE 802.3u (100Base-Tx, 100Base-T4 100 MBit/s over TP)
- IEEE 802.3ab (1000Base-T 1 GBit/s over TP)
- IEEE 802.3ap (1000Base-X)
- IEEE 1588v2 PTP and SyncE
- IPv4 and IPv6 based communication
- 16K MAC address table
- 8 different priority requests
- 10 KByte jumbo package support
- LACP (IEEE 802.3ad)
- STP (IEEE 802.1d)
- RSTP (IEEE 802.1w)
- MSTP (IEEE 802.1s)
- VLAN (IEEE 802.1q)
- MSTP (IEEE 802.1s)
- LLDP (IEEE 802.1ab)
- IEEE 802.1p priority requests
- IP diffserv and tos based qos support
- Strict priority and weighted fair queueing
- Port mirroring
- Traffic limitation
- IP access security
- IGMPv3
- IGMP snooping
- MLD snooping
- IP access security
- Login security
- IEEE 802.1x (port based network access control)
- DHCP (ability to work as server or client)
- DHCP Option 82
- DNS (ability to work as client)
- SNTP
- TFTP
- SNMP (SNMPv1/v2/v3)
- CLI/web management interface
- Telnet interface
- SSHv1/2
- RMON
- Static routing
- BIT (built in test)

specifications are subject to change without any notice. | all tolerances are within ±10%.